

PAT-NO: JP411281610A
DOCUMENT-IDENTIFIER: JP 11281610 A
TITLE: ION SENSOR, ION SENSOR
PLATE, AND THEIR MANUFACTURE
PUBN-DATE: October 15, 1999

INVENTOR-INFORMATION:

NAME

COUNTRY

IDA, KEIICHI N/A

HIRAKUNI, SHOICHIRO N/A

SUZUKI, MASATSUGU N/A

MOCHIZUKI, AKIHIKO N/A

ASSIGNEE-INFORMATION:

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COUNTRY

TAIYO YUDEN CO LTD N/A

APPL-NO: JP10096922

APPL-DATE: March 26, 1998

INT-CL (IPC): G01N027/333

ABSTRACT:

PROBLEM TO BE SOLVED: To reduce electric resistance at the interface between a silver halide layer and an ion-sensitive layer and to improve measurement accuracy by setting the Ag/X ratio of the modified silver halide layer at a specific value.

SOLUTION: In a modified silver halide layer 4a, silver plating is applied to the copper foil of a sample solution measuring electrode 2a to form a silver halide layer 4a with a particle diameter of 1

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PAT-NO: JP404344454A
DOCUMENT-IDENTIFIER: JP 04344454 A
TITLE: ELECTRODE FOR DETECTING
HALOGEN ION
PUBN-DATE: December 1, 1992

INVENTOR-INFORMATION:
NAME

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MIURA, KENJI

ASSIGNEE-INFORMATION:
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FUJI PHOTO FILM CO LTD

N/A

APPL-NO: JP03116376

APPL-DATE: May 22, 1991

INT-CL (IPC): G01N027/333, G01N027/28

US-CL-CURRENT: 204/416

ABSTRACT:

PURPOSE: To prevent silver surfaces from

corroding even when an electrode comprising silver layers, silver halide layers and an ion selective layer laminated on a support is preserved for a long period and to enable stable potential measurement by providing the ion selective layer not in contact with the silver layers.

CONSTITUTION: A V-shaped insulating groove 12 is formed at the center of the longitudinal direction of a support 11 and silver layers 13, 13 are laid on the upper surface of the support 11 with the insulating groove 12 and its nearby portion uncovered. Silver halide layers 14, 14 are laid on the overall upper surfaces of the silver layers 13, 13 with the outside end portion b of each layer 13 uncovered. An ion selective layer 15 is laid over the overall surfaces of the silver halide layers 14, 14 with the outside end portion c of each silver halide layer 14, 14 uncovered. Therefore, the ion selective layer 15 does not make contact with the silver layers 13, 13, so preventing corrosion of the silver layers 13, 13.

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	Type	L #	Hits	Search Text	DBs	Time Stamp
1	BRS	L1	501	(ion near1 (selective or sensitive)) and ((silver near3 (silver near1 halide)) or ((Ag/AgCl) or (Ag near1 AgCl)))	USPAT; EPO; JPO; DERWEN T	2003/09/23 19:56
2	BRS	L8	862	(ion near1 (selective or sensitive)) and ((silver near3 (silver near1 (halide or chloride))) or ((Ag/AgCl) or (Ag near1 AgCl)))	USPAT; EPO; JPO; DERWEN T	2003/09/23 19:57
3	BRS	L9	223	8 not (1 or 4)	USPAT; EPO; JPO; DERWEN T	2003/09/23 19:57